DVD Video Player
Owner's Manual

DVP 320

Let's make things better.

PHILIPS

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General Information

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not playback, and should be unloaded.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

CAUTION
(WARNING LOCATION: ON THE BOTTOMPLATE OF SET)

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

For Customer Use:

Read carefully the information located at the rear panel of your DVD VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVP 320
Serial No. _____

Laser safety

This unit employs a laser. Due to the risk of eye injury, only a qualified service person should remove the cover or attempt to service this device.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER

Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD)
	780 nm (VCD/CD)

CAUTION
VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. THE BEAM IS LOCATED INSIDE, NEAR THE DECK MECHANISM.

Important Note:
Due to the numerous versions of new CD-Audio copy protection or enhanced CD-Audio protection recently available on certain discs, PHILIPS is unable to guarantee that this DVD player is fully compatible with such new discs. Should you have difficulty playing any such CD-Audio discs, kindly refer them to your CD-Audio disc retailer.

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Introduction

Thank you for purchasing this Philips DVD player. This Owner's Manual explains the basic operation of this DVD player.

Environmental Information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your DVD player consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Package Contents

- DVD-Video player
- Remote control with lithium battery
- One set of audio cables (red/white)
- One set of video cable (yellow)
- Mains Cord
- Owner's Manual

Safety Information

- Before operating the DVD player, check that the operating voltage indicated on the typeplate is identical with the voltage of your local power supply. If not, please consult your dealer.
- Place the DVD player on a flat, hard and stable surface.
- Allow about one inch of space around the Player for ventilation. Leave room above the Player for the Disc compartment lid to open completely.
- In a cabinet, allow about 2.5cm (1 inch) of free space all around the player for adequate ventilation.
- Always close the Disc compartment lid on top of the Player to keep dust off the lens (which is inside the Disc compartment).
- Do not touch the lens inside the Player's Disc compartment. A damaged lens could hinder Disc playability. Electrostatic discharge could damage the unit permanently.
- When you open the Disc compartment lid, the Disc will continue to spin for a few seconds. Do not allow children to remove the Disc. Wait for the Disc to stop spinning completely before you reach to remove the Disc or touch the Disc.
- Do not expose your player to extremes of temperature or humidity.
- If the DVD player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the DVD player. Should this occur, the DVD player would not operate normally. Leave the power on for about one hour with no disc in the DVD player until normal playback is possible.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- When the DVD player is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the plug from the AC Outlet.

Symbols Used in this Booklet

The below symbols appear in some headings and notes with the following meanings:

DVD	– Description refers to playback of DVD-video discs
VCD	– Description refers to playback of Video CDs
CD	– Description refers to playback of Audio CDs
SVCD	– Description refers to playback of Super VCDs

Helpful Hints!

● Some discs limit certain functions during playback (eg fast forward is not working at the beginning of certain discs). This is nomal behaviour because the disc determines the way in which you can interact with its content.

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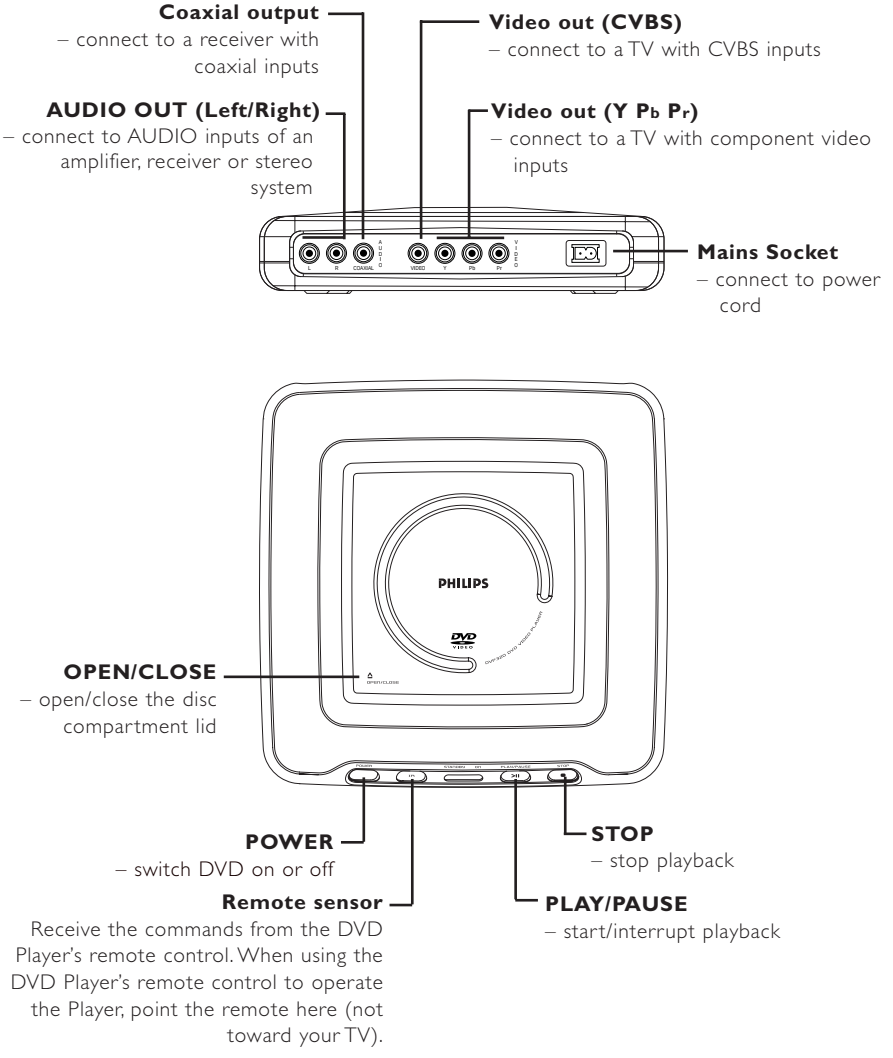
Top and Rear Panels


Coaxial output
– connect to a receiver with coaxial inputs
AUDIO OUT (Left/Right)
– connect to AUDIO inputs of an amplifier, receiver or stereo system
Video out (CVBS)
– connect to a TV with CVBS inputs
Video out (Y Pb Pr)
– connect to a TV with component video inputs
Mains Socket
– connect to power cord
OPEN/CLOSE
– open/close the disc compartment lid
POWER
– switch DVD on or off
Remote sensor
Receive the commands from the DVD Player's remote control. When using the DVD Player's remote control to operate the Player, point the remote here (not toward your TV).
STOP
– stop playback
PLAY/PAUSE
– start/interrupt playback

Caution:

Do not touch the inner pins of the sockets on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

Do not touch the lens inside the Player's Disc compartment. A damaged lens could hinder Disc playability. Electrostatic discharge could damage the unit permanently.

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Functional Overview

Remote Control

RETURN / TITLE
Press to go to a previous Disc menu or to access a DVD's Title menu. These options are not available with all Discs.

DISC MENU
Press to access menu of a DVD disc /switch PBC on or off for VCD disc

OK
Press to approve a menu selection.

◄ ► ▲ ▼
Press to select items in a menu. Press ◄ or ► for fast searching. Press ▲ or ▼ for slow motion.

|◄◄
Press to go to the beginning of the current Chapter or Track or to the previous Chapter or Track. Press and hold to display the Virtual Remote on screen.

STOP (■)
Press to stop Disc playback.

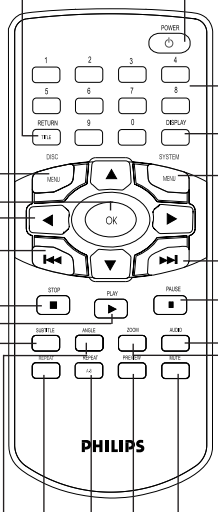
PLAY (►)
Press to begin Disc playback

SUBTITLE
Press to select subtitle language

ANGLE
Press to select a camera angle during DVD play.

REPEAT
Press to play a Chapter, Title, Track, or Disc repeatedly. Details are on Page 10.

REPEAT (A-B)
Press to set up Repeat A-B playback, in which a certain segment of the Disc plays repeatedly.



POWER ⏻
Press to switch Standby mode.

0-9 numerical key pad
Press to select numbered items in a menu. Press to select a Chapter, Title, or Track to play.

DISPLAY
Press during playback to see current disc information on the TV screen.

SYSTEM MENU
Press to access or remove the Setup Menu of the DVD Player.

►►|
Press to skip to the next Chapter or Track. Press and hold to activate the Smart Play function.

PAUSE (II)
Press to pause play or to advance a paused picture one frame at a time.

AUDIO
Press to select a different audio language or soundtrack during DVD playback. With some Video CDs, Super Video CDs, and Audio CDs, press AUDIO to choose an audio channel.

ZOOM
Press to reduce or enlarge the picture during playback.

MUTE
Press to silence or restore the volume.

PREVIEW
Press to enter the Preview menu for a Video CD or Super Video CD. Or, press to play the first several seconds of each Track on an Audio CD.

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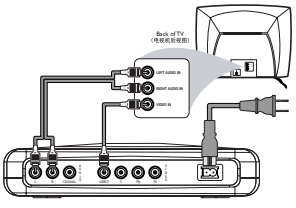
Before you begin...

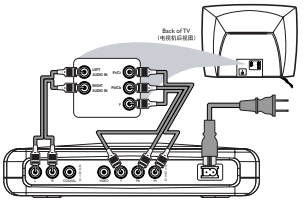
- Refer to the instructions of your TV, VCR, Stereo, or other devices. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels/sources on your other equipment.
- Disconnect all equipment from the power outlets. Connect equipment to power only after hooking up everything. Never make or change connections with equipment connected to power.
- Please refer to the below choices we introduce to you and select either one of them.

Connecting to a TV with audio and video cables



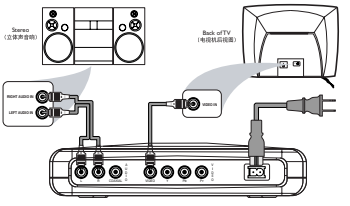
- Connect the VIDEO jack on the DVD player to the corresponding CVBS VIDEO IN jack on your TV (cable supplied).
- Connect the AUDIO OUT (Left/Right) on the DVD player to the corresponding AUDIO IN jacks on TV by using audio cable (supplied). Match the cable colors to the jack colors.

Connecting to a TV with audio cable and component video cable



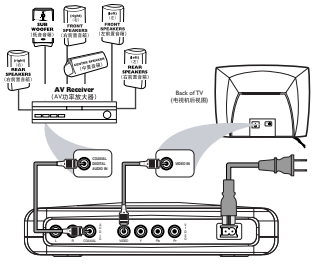
- Connect the Y/Pb/Pr VIDEO OUT on the DVD player to the corresponding jack on your TV by using component video cable (not supplied). Match the cable colors to the jack colors.
- Connect the AUDIO OUT (Left/Right) on the DVD player to the corresponding AUDIO IN jacks on TV by using audio cables (supplied). Match the cables color to the jack colors.

Connecting to a TV and a two-channel Stereo



- Connect the VIDEO jack on the DVD player to the corresponding CVBS VIDEO IN jack on your TV (cable supplied) or component video cable (not supplied).
- Connect the AUDIO OUT (Left/Right) on the DVD player to the corresponding AUDIO IN jacks on stereo system by using audio cables (supplied). Match the cable colors to the jack colors.

Connecting to a TV and a Stereo



- Connect the VIDEO OUT jack on the DVD player to the corresponding VIDEO IN jack on your TV by using composite video cable (cable supplied) or component video cable (not supplied).
- Connect the COAXIAL jack of the DVD player to the corresponding DIGITAL AUDIO IN jack on your AV Receiver (cable not supplied). In this case, do not use the player's audio left and right output.

Warning!
– Connect the DVD player directly to your TV, instead of eg. a VCR, to avoid distortion because DVD video discs are copy protected.
– Do not connect the DVD player AUDIO OUT to PHONO IN of your player.
– Set DIGITAL OUTPUT correctly. See page 19. The Stereo must support MPEG2 or Dolby Digital™. Check the Stereo's manual to be sure.

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Preparation

Replacing battery (lithium CR2025) into the remote control

1 Pull out the lithium battery compartment Ⓐ.
2 Replace a new battery and fully insert the battery compartment back to the original position.

CAUTION!

– Insert the plastic protective sheet if they are exhausted or not to be used for a long time.

– Batteries contain chemical substances, so they should be disposed off properly and kept away from children.

Using the Remote Control

- Pull out the plastic protective sheet which is used to keep the lithium battery fresh.
- Direct the remote control at the remote sensor of the DVD player.
- Do not drop or give the remote control a shock.
- Do not leave the remote control in extremely hot or humid places.
- Do not spill water or put anything wet on the remote control.

Connecting the Power Supply

1 Plug the female end of the power cable supplied into the power connector on the rear of the player.
2 Plug the male end of the cord into an AC outlet.

Note: When the DVD player is switched to Standby mode, it is still consuming some power. If you wish to disconnect your player completely from the mains, withdraw the plug from the AC Outlet.

Switching On

1 Be sure that the DVD player has been correctly connected to the TV and audio equipment.
2 Switch on the TV and DVD player.
3 Set the TV to the correct Video In channel. (eg. EXT1, EXT2, AV1, AV2, AUDIO/VIDEO, etc. Please refer to your TV owner's manual for details.)
➜ The player display lights and the default screen appears on the TV.
4 If you are using an external equipment (eg. audio system or receiver), turn it on and select the appropriate input source for the DVD player output. Refer to the equipment owner's manual for detail.

Smart Power On/Off

When in STOP or NO DISC mode, the DVD player will switch to standby mode after 15 minutes without any operations for saving energy. It is easily reactivated by pressing the POWER or PLAY key on the remote control or the PLAY button on the front panel.

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Basic Playback

1 Press POWER on the top panel to turn on the DVD player. Turn on your TV. Set it to the correct Video In channel.
2 Press OPEN/CLOSE on the top panel to open the disc compartment.
3 Place the Disc on the Disc hub, with the label facing up and then press down.
➜ After recognizing the disc, the player will start to playback automatically.
4 Wait for the Disc to stop spinning completely before you reach to remove the Disc or touch the Disc.

Notes:
– DVDs may have a region code. Your player will not play discs that have a region code different from the region code of your player.
– If 'Disc Lock' is set to LOCK and the disc inserted is not authorized, the 6-digit code must be entered and/or the disc must be authorized (see 'Disc Lock').

General Operation

Note: All instructions set out below refer to the remote control, unless otherwise stated.

Video control during playback

STOP/PLAY DVD VCD CD SVCD

1 If you press the STOP key once, you can later resume from the point at which you stopped by pressing the PLAY key. If you pressed the STOP key twice, the player will start from the beginning of the disc.

PAUSE DVD VCD CD SVCD

1 To get a still picture, press PAUSE key during playback.
2 To step forward to the next frame picture, press PAUSE key again. (This is not available for CD.)
3 To resume normal playback, press PLAY.

SEARCH DVD VCD CD SVCD

1 To search the contents in fast speed, press the ▶ or ◀ for fast forward/backward searching.
2 To select different searching speeds, press the ▶ or ◀ again.
3 Press PLAY to return to normal playback.

Slow Motion DVD

1 To get a slow motion effect during playback, press ▲ or ▼.
2 To select different searching speeds, press ▲ or ▼ repeatedly.
3 Press PLAY to return to normal play back.

VCD SVCD

1 To get a slow motion effect during playback, press ▼.
2 To select different searching speeds, press ▼ again.
3 Press the PLAY key to return to normal play back.
NOTE:
- The SLOW BACKWARD function is not available for Super VCD/VCD discs.

Audio control during playback

MUTE DVD VCD CD SVCD

1 Press the MUTE key to disable the sound output.
2 Press the MUTE key again to deactivate mute.

Audio channel selection

VCD CD SVCD

1 Super VCD has two stereo audio channels which are used for the audio language selection.
2 Press the AUDIO key on the remote control to select the audio channels you want.
3 VCD has only one stereo audio channel, you can select STEREO, LEFT MONO, RIGHT MONO or MIX-MONO by pressing the AUDIO key on the remote control.
➜ STEREO: Output the left and right audio channels of the disc through the left and right audio sockets accordingly.
➜ MONO LEFT: Output the left audio channels of the disc through the left and right audio sockets.
➜ MONO RIGHT: Output the right audio channels of the disc through the left and right audio sockets.
➜ MIX MONO: each of the audio sockets can output the same audio effect as stereo.
Note: If you choose digital audio output and set DIGITAL OUTPUT to ALL, you can not select LEFT MONO and RIGHT MONO with the AUDIO key.

Repeat/Shuffle

DVD VCD CD

You may play a Chapter, Track, Title, or entire Disc repeatedly.
1 During disc playback, press REPEAT to choose a Repeat option.
➜ DVD disc: You can choose TITLE or CHAPTER, which means repeat playing the Title or Chapter.
➜ VCD disc: You can choose TRACK or ALL, which means repeat playing the Track or the whole disc.
2 Press REPEAT to choose SHUFFLE or SHUFFLE REPEAT. The Tracks, Chapters, and/or Titles will play in random order (SHUFFLE) instead of the order recorded (1, 2, 3, etc.). If you choose SHUFFLE REPEAT, all the Tracks, Chapters, and/or Titles will play in random order repeatedly.

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3 To cancel repeat or shuffled playback, press REPEAT until all the repeat and shuffle modes disappear from the TV screen.

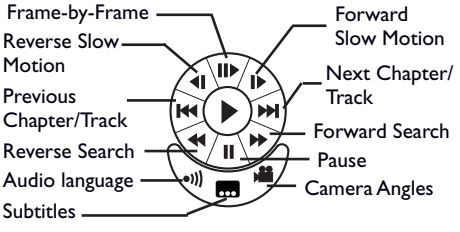
Note: If you want to use this funciton in VCD discs, please set PBC off firstly.

Repeat A-B DVD VCD CD

DVD-Video Discs: repeat a sequence in a title or chapter
Video and Audio CDs: repeat a sequence in a track

1 Press REPEAT A- B at your chosen starting point.
2 Press REPEAT A- B again at your chosen end point.
➜ The section A and B can be set only within the same chapter/track.
➜ The section will now repeat continuously.
3 To resume normal playback, press REPEAT A-B again.

Virtual Remote Control
DVD VCD SVCD



- Press and hold ⏮ key during playback. Then a Virtual Remote will be displayed at the down left corner of the screen. Press ▲▼◀▶ to select a button in the virtual remote, and then press OK in the real remote to activate the button's function.
  ➜ When you activate Virtual Remote Control, you also can use the real remote control to do any operation.
  ➜ When you activate Virtual Remote Control, ▲▼◀▶ keys will not be used to search time.

5 Disc Resume
DVD SVCD VCD CD

This player can resume playback of the last 5 discs, even if the disc was ejected or the DVD player is in Standby mode.
1 Load one disc, which is one of the last 5 discs.
2 Press PLAY when DVD player is recognizing the disc. If the information of this disc has been stored in the memory of DVD player, it will be played back from the stop point last time.

OSD (On-Screen Display)
DVD VCD SVCD

This function will provide some information about your playing disc on the screen.
- Press DISPLAY key on the remote control.

Title/Chapter/Track Selection
1 Press ▲ ▼ to select TITLE, CHAPTER or TRACK.
2 Press OK.
3 Press the numerical keys to enter the Title, Chapter, or Track number you want.
➜ DVD player will playback selected title.

Time Search
1 Press ▲ ▼ to select TIME DISP. Press OK. Press ▲ ▼ to highlight a display type, then press OK.
➜ The selected display type and its counter will appear at the bottom of the display.
➜ The following display types will be available, depending on the Disc in the Player.

For DVD discs:
CHAPTER ELAPSED - elapsed playing time of current Chapter;
CHAPTER REMAIN - remaining playing time of current Chapter;
TITLE ELAPSED - elapsed playing time of current Title;
TITLE REMAIN - remaining playing time of current Title.

For VCD/SVCD discs:
TOTAL ELAPSED - elapsed playing time of current Disc;
TOTAL REMAIN - remaining playing time of current Disc;
SINGLE ELAPSED - elapsed playing time of current Track;
SINGLE REMAIN - remaining playing time of current Track.
2 Press OK to select the time counter beside TT TIME, CH TIME, TRACK TIME or DISC TIME.
3 Press the numerical keys to enter the elapsed playing time at which you want to resume playback.
➜ Enter the time in hours, minutes, and seconds. Play will start at that point.
➜ Press ◀ to quit and reselect TT TIME, CH TIME, TRACK TIME or DISC TIME.

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Zoom DVD VCD SVCD

You can reduce or enlarge the video image during playback.

1 Press ZOOM repeatedly during Disc playback to make the picture two, three, or four times larger. Or, keep pressing ZOOM to reduce the picture to 1/2, 1/3, or 1/4 its normal size.
➜ Press ▲▼◀▶ to move around in the enlarged picture.

2 To return the picture to regular size, press ZOOM until the picture returns to its normal size.

NOTE: This function is NOT available for some DVD discs.

Special DVD Features

Playing a Title DVD

A DVD disc may have one or more titles. This depends on the content (a movie, video clips, a drama series, etc.) on the disc.

- After you load a disc, information about the content shows on the screen waiting for your selection. You can also press the TITLE key on the remote control to turn back to the title menu during playback.
  ➜ Press the appropriate numerical key or ▲▼◀▶ keys on the remote control to highlight your selection.
  ➜ Press the OK key to confirm.

Playing a Chapter DVD

When you have selected a title, it may include one or more chapters.

- Any time you want to watch another chapter during playback, press DISC MENU key to turn back to the chapter menu (If disc has chapter menu).
  ➜ Press the appropriate numerical key or ▲▼◀▶ keys on the remote control to highlight your selection.
  ➜ Press the OK key to confirm.
  ➜ After a chapter has been selected, you also can press the |◀◀ or ▶▶| key to make a change.

Smart Play DVD

Some DVDs start play with movie previews, advertisements, or other theatrical trailers. To skip these and play the main feature, use Smart Play.

- After one DVD disc is loaded and the DVD VIDEO is displayed on the screen, press and hold the ▶▶| key until the SMART PLAY is displayed.
  ➜ The movie content will be played back directly.
  Note: Some DVD discs will not be available for this function.

Camera Angle DVD

Some discs contain scenes which have been shot simultaneously from various angles.
This DVD player allows you to select the desired camera angle.

- Press the ANGLE key on your remote control.
  NOTE: The function is available only for the DVD discs which have several angles recorded .

Changing the Audio Language DVD

- Press AUDIO repeatedly to select the different languages.
  NOTE: The function will be activated only if the DVD is recorded with multi-language audio tracks.

Subtitles DVD SVCD

- Press SUBTITLE repeatedly to select the different subtitles.
- Press SUBTITLE for about 2 seconds to switch subtitle on or off.
  NOTE: The function will be activated, only if the DVD or Super VCD is recorded with multi-subtitles.

Special VCD & SVCD Features

Playback Control (PBC) VCD

PBC function allows you to enter the index menu which is used to select a track after loading the VCD & SVCD disc.

If you want to activate the function during the playback or after pressing the STOP key twice,

1 press the DISC MENU key on the remote control to set the PBC On.
➜ Pay attention to the hint on the screen.

2 Use the |◀◀ or ▶▶| key to select the page you like.
➜ If the items of the index menus are numbered, press the appropriate numerical key on the remote control.
➜ press the OK key to confirm.

3 Press the RETURN key to enter the index menu during the playback.

NOTE:
- The content of the index menu depends on the disc. Please refer to the disc's instructions for details.
- If the disc doesn't include the PBC information, this function will have no effect.

If you want to skip the index menu and playback directly from the beginning,

1 press the DISC MENU key on the remote control to switch off the function.

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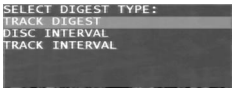
Operation

Preview Function VCD

- Press the PREVIEW key to enter previewing menu.
- Press ▲▼ key to highlight TRACK DIGEST, DISC INTERVAL or TRACK INTERVAL.
- Press OK key to open one option.



- After you enter the menu of any digest type,
  ➜ To quit preview function: Press ▲▼◀▶ to highlight EXIT and press OK to confirm.
  ➜ To return to the previewing menu for selecting the other digest type: Press ▲▼◀▶ to highlight MENU and press OK to confirm.

1 Track Digest

If you select TRACK DIGEST, the first five seconds of each Track will play. This introduces you to the contents of each Track on the Disc.

- To choose your desired track, please press ▲▼◀▶ to go to the SELECT line in the display at the bottom of the TV screen. Press the numerical keys to enter the Track you want.
  ➜ To see other Tracks, press Previous ⏮ or Next ⏭ on the remote.
- Press the OK key to start playback.

2 Disc Interval

If you select DISC INTERVAL, the Disc contents will be divided into six segments. This helps you preview the contents of the entire Disc.

- To start playing the Disc from a certain interval, press ▲▼◀▶ to go to the SELECT line in the display at the bottom of the screen.
- Press the numerical keys to choose a segment (1-6), then press OK to start play from that point.

3 Track Interval

If you select TRACK INTERVAL, the current Track will be divided into six parts. This helps you see the contents of the current Track.

- To play the Track from a certain interval, press ▲▼◀▶ to go to the SELECT line.
- Press the numerical keys (1-6) to choose a segment, then press OK to start play from that point.

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This player can playback JPEG format pictures and MP3 files on a personally recorded CD-R/RW disc or commercial CD, and is compatible with Kodak Picture CD.

- Playback songs one by one automatically.
- Album and track selection.
- Repeat/Shuffle Playback (disc / album / track / picture).
- Picture Preview.
- Select any music or pictures from the disc to playback them together.
- Program Playback.
- Maximum number of files within one folder is 500
- Maximum files Programmable is 100.
- MP3: Maximum supported Bitrate is 256kbits or 48kHz in Variable Bitrate mode
- JPEG: Maximum supported resolution is 3072 x 2048 (for baseline JPG pictures), or 2000 x 1500 (for progressive JPG pictures).

General Operation

- If you choose WITH MENU in the Setup Menu (Please refer to the MP3 & JPEG navigator below), the Picture CD/MP3 CD menu will be shown on the screen before playback.
- At any time during playback, press DISC MENU to return to the menu.
- Press ▲ or ▼ to highlight an Jpeg file in the Disc's menu, then the picture will be previewed on the right side of the menu.

MP3 & JPEG Navigator

To select a different playback method, follow the steps below.

1. At STOP mode, press the SYSTEM MENU key to open the setup menu.
2. Press ▶ to highlight the **PREFERENCE PAGE** icon at the top of the menu.
3. Press OK or ▼ to open the PREFERENCE menu.
4. Press the ▲ ▼ key to highlight the MP3/JPEG NAV menu.
5. Press the ▶ key to enter the menu.
6. Press the ▲ ▼ key to highlight the WITHOUT MENU or WITH MENU item.
   ➜ WITHOUT MENU: playback mp3 files automatically in according to the date sequence.
   ➜ WITH MENU: playback files in the selected folder.
8. Press the OK key to confirm your selection.

Play Mode

Playback Selection

- One way is to press the number of your favourite file to play the file at any time during playback.
- Another way is to select via the menu.

1. Press DISC MENU to open the Picture CD/MP3 CD menu.
2. When the menu appears on the screen, press the ▲ ▼ key to select the folder you want and press the OK to open it.
3. Press ▲ or ▼ to highlight a file in the folder and press OK to confirm.
   ➜ The playback will start from this file.

Repeat / Shuffle

- During JPEG play, press REPEAT to choose:
  REPEAT ONE - Keep the current JPEG image still on the screen.
  REPEAT ALL - Play all files on the Disc repeatedly.
  SHUFFLE - Play files in random order.
  REPEAT OFF - Cancel all repeat options and resume normal playback.
- While the menu is on the screen, press REPEAT to choose:
  FOLDER - All file in the current folder will play once.
  REPEAT ONE - Keep a JPEG image still on the screen or plays an MP3 file repeatedly.
  REPEAT FOLDER - Play files in the selected folder repeatedly.
  SHUFFLE - Play files in random order.

Program Playback

1. While the Disc menu is on the screen and play is stopped, press ◀ to switch into the FILELIST. FILELIST will flash briefly at the bottom of the screen.
2. Press ▲ or ▼ to choose a file to add to the playlist, then press ▶. ADD TO PLAYLIST will appear briefly at the bottom of the screen. (To remove an item from the Program, press ◀ to go to the PLAYLIST. Press ▲ or ▼ to choose the item, then press ▶ to remove it. REMOVE FROM PLAYLIST will appear briefly at the bottom of the screen.) The maximum number of files for a Program is 100.
3. To play the Program, press ▲ or ▼ to select any item in the PLAYLIST, then press OK to start playing the Program from that point.
   ➜ To quit the PLAYLIST, press ◀.

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Special JPEG Features

Function Introduction

Picture CD is a disc with a collection of JPEG format pictures, and all extension filenames should end with 'JPG'. The CD can be recorded on any computer, and pictures may be from digital camera or scanner. If the customers prefer, they can make this CD become a Digital Album.

You can choose any general function introduced in GENERAL OPERATION, besides, you also can,

- Display the thumbnails of 12 pictures.
- Zoom the picture.
- Rotate the picture.
- Flip the picture vertically or horizontally.
- Play pictures by different wipe types.

Preview Function

This function shows the content of the current folder or the whole disc.

1. Press the STOP key during playback of JPEG pictures. You will see the thumbnails of 12 pictures on the screen.
2. Press ▶▶| or |◀◀ key to display the other pictures on the next or the previous page.
3. Press the ◀ ▶ ▲ ▼ key to highlight one of them and press OK to playback. Or,
   Move the cursor to select filmstrip icon at the bottom of the screen, then press OK. This will start playback at the first picture on the current page.
4. Press DISC MENU to go to the Picture CD/MP3 CD menu.

Zoom picture

- During playback, press ZOOM key to display the picture with different scales.
- Press the ◀ ▶ ▲ ▼ key to move or pan through the picture.

Note: When the Jpeg Zoom function is activated, some keys like SYSTEM SETUP, PLAY, etc. can not be used normally.

Playback with multi-angles

When displaying one picture on TV screen

- Press the ▲ ▼ ◀ ▶ key to get different effects.
  ▲ key: Flip the picture vertically.
  ▼ key: Flip the picture horizontally.
  ◀ key: rotate the picture anti-clockwise.
  ▶ key: rotate the picture clockwise.

Wipe Type

- Press ANGLE repeatedly during JPEG play to choose how the pictures will transfer in/out during play. The default setting is RANDOM.

Special MP3 Features

Function Introduction

"MP3" stands for "MPEG Audio Layer-3" and is a part of the MPEG standard. A CD can store up to 10 hours of MP3 audio, which is nearly 10 times as much as an Audio CD. Each song is recorded as a file. You can choose any general function introduced in GENERAL OPERATION. You can also choose different playback speeds.

- To automatically playback MP3 after loading a MP3 CD without Jpeg pictures, you can choose WITHOUT MENU in the MP3/JPEG NAV menu.
- To stop the track, press STOP key during playback.
- To fast forward or fast reverse the track during playback at two, four, eight, 16, or 32 times the normal playback speed, press ▶ or ◀ key.
- To select next or previous track, press ▶▶| or |◀◀ key.

JPEG and MP3 simultaneous playback

1. Start playing the MP3 file as described above.
2. Select a JPEG for playback as described above.
3. To stop simultaneous playback, press DISC MENU to stop JPEG playback. Then press **STOP** to stop MP3 playback.

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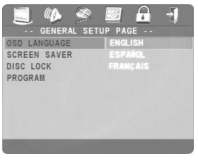
General Setup menu

Some settings need to be made in this menu. They are: DISC LOCK, PROGRAM, OSD LANGUAGE and SCREEN SAVER.
Follow the steps below:

1. Press the SYSTEM MENU key in STOP mode to enter the setup menu.
2. The GENERAL SETUP PAGE will be selected.
3. Press the OK or ▼ key to confirm selection.

OSD language

This option is to let you to select a language for information displayed on TV screen.



1. Press the ▲▼ keys to highlight OSD LANGUAGE in the GENERAL SETUP menu. OSD LANGUAGE will be highlighted in green.
2. Enter its submenu by pressing the ▶ key.
3. Move the cursor by pressing the ▲▼ keys to highlight the selected language.
4. Press the OK key to confirm.
5. Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Program (not for Picture CD/MP3)

1. To choose PROGRAM, press ▲▼ keys.
2. Press the ▶ key to select the item INPUT MENU, then press OK.
   ➜ The PROGRAM menu will appear. This is where you enter the Track/Chapter numbers in the order in which you want to play them.

Input your favorite track

1. Input valid track number by pressing the numerical keys.
   ➜ The number of available Titles, Chapters, or Tracks will appear at the top of the screen.
2. Use the ◀▶▲▼ buttons to move to other Program positions.
   ➜ If the track number is more than ten, press Previous ⏮ or Next ⏭ to access other Program pages. Or, press ◀▶▲▼ to highlight NEXT button, and then press OK.
3. Repeat this process to fill the Program.

Remove a track

1. Press the ◀▶▲▼ keys to move the cursor to the track you want to remove.
2. Press OK or PLAY ▶ key to remove this track.

Playback tracks

When programing is completed,

1. Press the ◀▶▲▼ keys to select **START** at the bottom of the screen.
2. Press OK.
   ➜ The Program will start playing automatically.
3. When the disc is loaded again, you also can playback the tracks in the program menu.

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Setup Menu

Quit the program playback

In the PROGRAM menu,

1. Press the ◄►▲▼ keys to select **EXIT** at the bottom of the screen.
2. Press the OK key to quit this menu.

Stop the program playback

- To resume normal playback, press STOP ■ twice to stop playing the Program. Press PLAY ► to start play at the beginning of the Disc.

Repeat the program playback

- During playback of the programmed tracks, press the REPEAT key. You can choose playback a track in the program menu repeatedly or all of the tracks in program menu repeatedly.

Disc Lock

When the disc is locked, the player will store its specific code into the memory for future identification. After loading the disc next time, the DVD player will prompt you to enter the password. Then, press OK to load the disc.

1. Press the ▲▼ keys to highlight DISC LOCK in the GENERAL SETUP menu.
2. Enter its submenu by pressing the ► key.
3. Press the ▲▼ keys to select LOCK or UNLOCK, then press OK to confirm.
   ➜ LOCK: Lock the disc being played.
   ➜ UNLOCK: unlock the disc.
4. Press ◄ key to return to the top menu, or press SYSTEM MENU to remove the menus.

NOTE:
1. When a locked disc is loading, the DVD player will prompt you to enter your password (842100 is the default password).
2. To change the password , refer to the PASSWORD chapter.

Screen Saver

This function is used to turn the screen saver on or off.

1. Press the ▲▼ keys to highlight SCREEN SAVER in the GENERAL SETUP menu.
2. Enter its submenu by pressing the ► key.
3. Move the cursor by pressing the ▲▼ keys to highlight the selected item.
   ➜ ON: In STOP or No DISC mode, if no actions are performed within 5~6 minutes, the screen saver will be activated. Press the POWER or PLAY key on the remote control or the PLAY key on the front panel to restore the normal mode.
   ➜ OFF: Screen saver is disabled.
4. Press OK to confirm.
5. Press ◄ key to return to the top menu, or press SYSTEM MENU to remove the menus.

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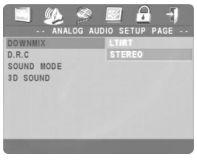
Analog Audio Setup menu

This menu is used to adjust some of the Player's analog audio settings, such as DOWNMIX, D.R.C. (Dynamic Range Compression), SOUND MODE, and 3D SOUND.

1 Press SYSTEM MENU in STOP mode.
2 Press the ◄► keys to highlight the AUDIO SETUP PAGE icon at the top of the menu.
3 Press OK or ▼ to confirm.

4 ANALOG AUDIO SETUP will be highlighted. Press OK.

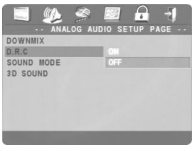
DOWNMIX



1 Press the ▲▼ keys to highlight the DOWNMIX.
2 Enter its submenu by pressing the ► key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
- LT/RT
  ➜ If you connected the Player to a stereo that has Dolby Pro Logic.
- STEREO
  ➜ If you connected the Player to a TV or Stereo that has left and right Audio in jacks but does not have Dolby Pro Logic.

4 Press OK.
5 Press ◄ key to return to the top menu, or press SYSTEM MENU to remove the menus.

D.R.C. (Dynamic Range Compression)

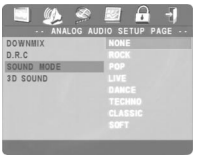


The DVD player will compress the dynamic range of its sound output for late-night listening.

1 Press the ▲▼ keys to highlight D.R.C..
2 Enter its submenu by pressing the ► key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
➜ ON: Enable D.R.C.
➜ OFF: Disable D.R.C.
4 Press OK.
5 Press ◄ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Sound Mode

Select the sound mode that matches the type of music you play most often. These preset sound modes adjust the frequency bands of the audio to enhance your favourite music style.



1 Press the ▲▼ keys to highlight the SOUND MODE.
2 Enter its submenu by pressing the ► key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
➜ NONE: Playback the disc with its original sound effects.
4 Press OK.
5 Press ◄ key to return to the top menu, or press SYSTEM MENU to remove the menus.

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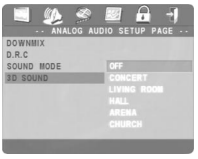
Setup Menu

3D SOUND

The 3D SOUND can simulate the echoes and frequencies that may be available in a particular environment. Choose the environment that you would like to recreate by changing the 3D SOUND setting.



1 Press the ▲▼ keys to highlight the 3D SOUND.
2 Enter its submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
➜ OFF: Playback the disc with original sound effects.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Digital Audio Setup menu

Use the DIGITAL AUDIO SETUP to adjust some of the Player's digital sudio settings.

1 Press SYSTEM MENU in STOP mode.
2 Press the ◀▶ keys to highlight the AUDIO SETUP PAGE icon at the top of the menu.
3 Press OK or ▼ to confirm.
4 Press the ▲▼ keys to select DIGITAL AUDIO SETUP. Press OK.

Digital Output

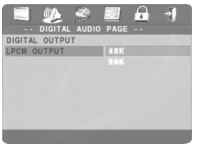
If you connected the Player to a Stereo using the COAXIAL jack, adjust DIGITAL OUTPUT (audio) as described below. If you are not using the COAXIAL jack, no adjustment is necessary.

1 Press the ▲▼ keys to highlight DIGITAL OUTPUT.
2 Enter its submenu by pressing the ▶ key.
3 Press the ▲▼ keys to highlight the selected item.
➜ ALL: To select the original default audio settings as received by most Stereos.
➜ PCM ONLY: If your stereo is PCM-compatible, or can not decode MPEG-2 or DTS audio. Refer to your Stereo manual for details.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Note: If DIGITAL OUTPUT is set to ALL, all audio settings except MUTE are invalid.

LPCM Output

If you connect the DVD player to a PCM compatible Stereo via the digital terminals, such as coaxial etc, you may need to select LPCM OUTPUT.
Discs are recorded in a certain sampling rate. The higher the sampling rate, the better the sound quality.



1 Press the ▲▼ keys to highlight the LPCM OUTPUT.
2 Enter its submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
➜ 48K: Playback a disc recorded at the sampling rate of 48kHz.
➜ 96K: Playback a disc recorded at the sampling rate of 96kHz.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

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Video Setup menu

There are items included in VIDEO SETUP menu such as TV TYPE, TV DISPLAY, CLOSED CAPTIONS, SMART PICTURE, PICTURE SETTING.

1 Press SYSTEM MENU in STOP mode to enter the menu.
2 Press the ◀▶ keys to highlight the VIDEO SETUP PAGE icon at the top of the menu.
3 Press OK or ▼ to confirm.

TV Type

Before viewing the DVD or VCD, ensure that the PAL or NTSC setting of the system matches your TV set.

1 Press the ▲▼ keys to highlight TV TYPE in the VIDEO SETUP menu.
2 Enter its submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight one option.
➜ MULTI: If your TV is compatible with both NTSC and PAL and you want the DVD Player to automatically select the color system of the current DVD.
➜ PAL: To output image in PAL system.
➜ NTSC: To output image in NTSC system.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

NTSC/PAL Conversion

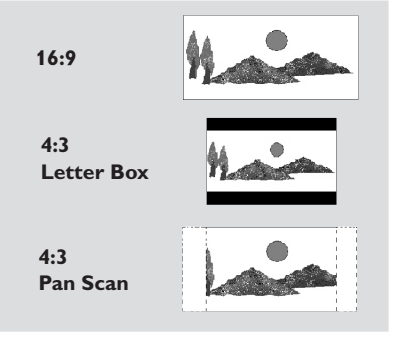
This player is equipped with a NTSC/PAL conversion feature to convert the video output of the disc to match your TV system. The conversions supported are as below:

Disc		Output format		
Type	Format	Selected mode		
		NTSC	PAL	MULTI
DVD	NTSC	NTSC	PAL	NTSC
	PAL	NTSC	PAL	PAL
VCD	NTSC	NTSC	PAL	NTSC
	PAL	NTSC	PAL	PAL

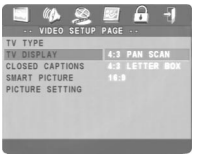
Notes:

– *If you choose MULTI, please ensure that your TV set has both the NTSC and PAL systems.*

TV Display



Select the aspect ratio of the TV to be connected.
16:9 ➜ when you connect a wide-screen TV to the DVD player.
4:3 LETTERBOX ➜ when you connect a normal TV to the DVD player. Displays a wide picture with bands displayed on the upper and lower portions of the TV screen.
4:3 PAN SCAN ➜ when you connect a normal TV to the DVD player. Displays the wide picture on the whole TV screen with a portion automatically cut off.



Setup the item as follows,

1 Press the ▲▼ keys to highlight the TV DISPLAY option in the VIDEO SETUP menu.
2 Enter its submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Note : PanScan output is not available on all discs.

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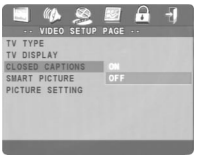
Setup Menu

Closed Captions

Closed captions are hidden in the video signal of some Discs. Different than subtitles, closed captions are intended for the hearing impaired and also show sound effects. For example, closed captions may include information such as "phone ringing" or "footsteps approaching," while a subtitle would only show spoken text.
Though you can turn on Closed Captions in the DVD Player's menu, the captions must be available on the Disc. Also make sure you turn on Closed Captioning on your TV. Otherwise, the captions will not appear.



1 Press ▲▼ to select CLOSED CAPTIONS.
2 Press ▶ to enter its submenu.
3 Press ▲ or ▼ to select ON or OFF, then press OK. Your selection will be highlighted in brown.
4 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Smart Picture

In this menu, you can choose a picture setting from a fixed set of ideal predefined picture settings.

1 Press the ▲▼ keys to highlight SMART PICTURE in the VIDEO SETUP menu.
2 Press the ▶ key to highlight the item of the submenu.
3 Press the ▲▼ keys to choose an item.
➜ STANDARD: select a standard picture setting.
➜ BRIGHT: make the TV picture brighter.
➜ SOFT: make the TV picture softer.
➜ PERSONAL: achieve the color effect set in the PICTURE SETTING menu.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

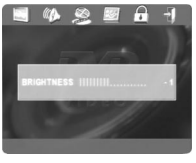
Picture Setting

In this menu you can personalize the picture color by adjusting brightness, contrast, tint and color.

1 Press the ▲▼ keys to highlight PICTURE SETTING in the VIDEO SETUP menu.
2 Press OK to open its submenu.

Brightness/Contrast/Tint/Color

1 Press the ▲▼ keys to highlight BRIGHTNESS, CONTRAST, TINT or COLOR.
2 Press the ▶ key.
➜ An adjustment scale will appear on the TV screen.



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3 Press the ▶◀ keys to adjust the element you selected.
➜ For BRIGHTNESS, choosing a more positive value brightens the color on the screen and seems to add white to the picture. Choosing a more negative value darkens the colors in the picture. Choose zero (0) for the average setting.
➜ For CONTRAST, choosing a more positive value adds more noticeable difference between the black and white in your picture and sharpens the picture. Choose a more negative CONTRAST value to blur the distinction between black and white in the picture. The picture will not seem as sharp.
➜ For TINT, choose a more positive value to add red to the picture. Choose a negative value to add yellow to the picture. Choose zero (0) to balance the reds and yellows in the picture. You can adjust TINT when you need people's skin tones to look more natural.
➜ For COLOR, choose a more positive value to increase the color in your picture. To decrease the color in the picture, choose a more negative value. As you decrease the COLOR, the picture becomes more black and white. Choose zero (0) to balance the color.
4 Press OK key to save the setting and return to the PICTURE SETTING SETUP menu.

Preference Setup menu

There are options included in PREFERENCE menu such as AUDIO, SUBTITLE, DISC MENU, PARENTAL, PASSWORD, DEFAULT and MP3/JPEG NAV.

1 Press the **STOP** key twice.
2 Press **SYSTEM MENU** to enter the menu.
3 Press ▶ to highlight the **PREFERENCE PAGE** icon at the top of the menu.
4 Press **OK** or ▼.

Audio language

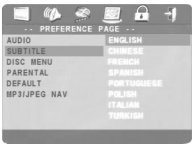
DVD discs are recorded in multiple audio languages. Choose the language you want to hear by adjusting AUDIO.

1 Press the ▲▼ keys to highlight AUDIO.
2 Enter the submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected option.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

NOTE: Your DVD disc may not include the audio language which you set in the AUDIO menu. If so, the player will use another audio language instead.

Subtitle language

Some DVDs include subtitles, which you can choose under SUBTITLE in the PREFERENCE PAGE.



1 Press the ▲▼ keys to highlight SUBTITLE.
2 Enter the submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected option.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

NOTE: Your DVD disc may not include the subtitle which you set in the SUBTITLE menu. If so, the player will use another subtitle language instead.

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Setup Menu

Disc Menu language

DVDs have a Disc menu that lets you select features. Disc menus may be available in multiple languages. To choose a language, follow these steps.

1 Press the ▲▼ keys to highlight DISC MENU.
2 Enter the submenu by pressing the ▶ key.
3 Move the cursor by pressing the ▲▼ keys to highlight the selected item.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

NOTE: If your DVD disc doesn't include the disc menu language you have set, the player will use another recorded language instead.

If you choose OTHERS in AUDIO, SUBTITLE or DISC MENU menu,

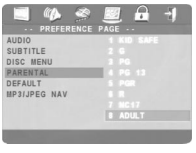
You can select other languages. Please do as follows,

1 Move the cursor by pressing the ▲▼ keys to highlight OTHERS.
2 Press OK.
➜ The DVD player will prompt you to enter a language code (Four digits).
3 Input a language code by pressing numerical keys.
➜ Please look up the language code in the chapter LANGUAGE CODE.
4 Press OK.

Parental Control DVD

Movies on DVDs may contain scenes which are not suitable for children. Therefore, discs may contain 'Parental Control' information which applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8, and alternative, more suitable scenes are available on the disc. Ratings are country dependent. The 'Parental Control' feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.

- VCD, SVCD, CD have no level indication, so parental control function has no effect on those kinds of discs. This applies to most illegal DVD discs.
- You can follow the steps below to setup the parental control:



1 Press the ▲▼ keys to highlight PARENTAL.
2 Move to its submenu by pressing the ▶ key.
3 Then use the ▲/▼ keys to highlight a rating for the disc inserted.
4 Press OK.
5 Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

No Parental Control

Parental Control is not activated. The Disc will be played in full.

1 Select ADULT item.
2 Press OK.

Ratings 1 to 7:

Some discs contain scenes which are not suitable for children. All scenes with a rating higher than you set will be skipped during playback. However if the disc contains alternate scenes, these will play automatically. If not, the playback will stop and the six digits code will need to be entered again.

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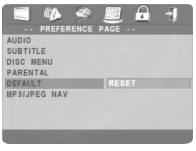
Default Setup

If problems occur while setting up the DVD player, the DEFAULT function can be used to reset all options to the factory defaults and all your personal settings will be erased.

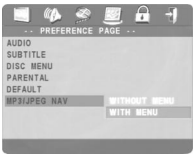


1. Press ▲▼ to highlight DEFAULT.
2. Highlight RESET by pressing the ▶ key.
3. Press OK.
4. Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

CAUTION: When this function is activated, all setups will be reset to factory defaults.

MP3/JPEG Navigator

This menu allows you to select alternate settings when you playback picture CD and MP3 CD.



1. Press ▲ ▼ to highlight MP3/JPEG NAV.
2. Press ▶ to enter the submenu.
3. Press ▲ ▼ to highlight WITHOUT MENU or WITH MENU.
   ➜ WITHOUT MENU: playback MP3 CD in sequence automatically.
   ➜ WITH MENU: playback Jpeg pictures or MP3 music in the selected folder.
4. Press OK key to confirm your selection.
5. Press ◀ key to return to the top menu, or press SYSTEM MENU to remove the menus.

Password

This item is used for the parental control and disc lock. Enter your six digit password when a hint is displayed on the screen.

1. Press **SYSTEM MENU** to enter the menu.
2. Press ▶ to highlight the **PASSWORD SETUP PAGE** icon at the top of the menu. Press **OK** or ▼.
3. **PASSWORD** will be highlighted. Press ▶ to highlight **CHANGE**, then press **OK**.

4. Press the numerical keys to enter the current six-digit password. (If this is the first time you have set a password, you do not have to enter an OLD PASSWORD. The numbers you enter will go into the NEW PASSWORD box instead.)

5. If successful, the player will prompt for a new six-digit password in the NEW PASSWORD box.
6. After that, enter the new password again to reconfirm in the CONFIRM PWD box.
7. Press OK to save the new password. The previous menu will appear.
8. Press SYSTEM MENU to remove the menus.

NOTE:
1. You can change the setup of parental control and load a locked disc with a valid password being entered.
2. If you forget your password, you can enter the default password 842100.

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Specifications

PLAYBACK SYSTEM

DVD Video
Video CD & SVCD
CD
PICTURE CD
MP3-CD
CD-R, CD-RW
DVD+R, DVD+RW

VIDEO PERFORMANCE

* CVBS	1Vpp --- 75Ω
*Component video	Y: 1.00Vpp --- 75Ω
	Pr: 0.7Vpp --- 75Ω
	Pb: 0.7Vpp --- 75Ω

AUDIO FORMAT

Digital	Mpeg/ AC-3/ DTS	compressed Digital
	PCM	16, 20, 24 bits fs, 44.1, 48, 96 kHz
	MP3(ISO 9660)	24, 32, 56, 64, 96, 128, 256 kbps & variable bit rate fs, 16, 22.05, 24, 32, 44.1, 48 kHz

Analog Sound Stereo

Specifications subject to change without prior notice

AUDIO PERFORMANCE

DA Converter	24bit	
Signal-Noise (1KHz)	100dB	
Dynamic range(1KHz)	>90dB	
DVD	fs 96 kHz	4Hz- 44kHz
	fs 48 kHz	4Hz- 22kHz
SVCD	fs 48 kHz	4Hz- 22kHz
	fs 44.1kHz	4Hz- 20kHz
CD/VCD	fs 44.1kHz	4Hz- 20kHz

TV STANDARD (PAL/50Hz) (NTSC/60Hz)

Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

CONNECTIONS

Component Video Output	Cinch
Video Output	Cinch
Audio Output(L+R)	Cinch
Digital Output	1 coaxial IEC958 for CDDA / LPCM IEC1937 for MPEG1, MPEG 2, Dolby Digital and DTS

CABINET

Dimensions (w x d x h)	216 x 216x 45 mm
Weight	Approximately 0.8 Kg

POWER CONSUMPTION

Power consumption	< 8 W
Power consumption in Standby mode	< 1.2W

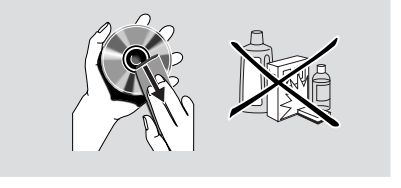
Maintenance

Cleaning the Disc Compartment

- Always close the CD door to keep the CD compartment dust-free. To clean, dust the compartment with a soft dry cloth. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for analog records.



Cleaning the disc lens

- After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

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Language Codes

You will need these codes if you want a different language for Subtitles, Audio, or Disc menus.

Abkhazian	6566	German	6869
Afar	6565	Gikuyu; Kikuyu	7573
Afrikaans	6570	Greek,	6976
Albanian	8381	Guarani	7178
Amharic	6577	Gujarati	7185
Arabic	6582	Hausa	7265
Armenian	7289	Hebrew	7269
Assamese	6583	Herero	7290
Avestan	6569	Hindi	7273
Aymara	6589	Hiri Motu	7279
Azerbaijani	6590	Hungarian	7285
Bashkir	6665	Icelandic	7383
Basque	6985	Ido	7379
Belarusian	6669	Indonesian	7368
Bengali	6678	Interlingua (International	7365
Bihari	6672	Interlingue	7369
Bislama	6673	Inuktitut	7385
Bokmål, Norwegian	7866	Inupiaq	7375
Bosnian	6683	Irish	7165
Breton	6682	Italian	7384
Bulgarian	6671	Japanese	7465
Burmese	7789	Javanese	7486
Castilian; Spanish	6983	Kalaallisut	7576
Catalan	6765	Kannada	7578
Chamorro	6772	Kashmiri	7583
Chechen	6769	Kazakh	7575
Chewa; Chichewa; Nyanja	7889	Khmer	7577
Chichewa; Chewa; Nyanja	7889	Kikuyu; Gikuyu	7573
Chinese	9072	Kinyarwanda	8287
Chuang; Zhuang	9065	Kirghiz	7589
Church Slavic; Slavonic;	6785	Komi	7586
Church Slavonic; Church	6785	Korean	7579
Chuvash	6786	Kuanyama; Kwanyama	7574
Cornish	7587	Kurdish	7585
Corsican	6779	Kwanyama, Kuanyama	7574
Croatian	7282	Lao	7679
Czech	6783	Latin	7665
Danish	6865	Latvian	7686
Dutch	7876	Letzeburgesch;	7666
Dzongkha	6890	Limburgan; Limburger;	7673
English	6978	Limburger; Limburgan;	7673
Esperanto	6979	Limburgish; Limburger;	7673
Estonian	6984	Lingala	7678
Faroese	7079	Lithuanian	7684
Fijian	7074	Luxembourgish;	7666
Finnish	7073	Macedonian	7775
French	7082	Malagasy	7771
Frisian	7089	Malay	7783
Gaelic; Scottish Gaelic	7168	Malayalam	7776
Gallegan	7176	Maltese	7784
Georgian	7565	Manx	7186

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Language Codes

You will need these codes if you want a different language for Subtitles, Audio, or Disc menus.

Maori	7773
Marathi	7782
Marshallese	7772
Moldavian	7779
Mongolian	7778
Nauru	7865
Navaho, Navajo	7886
Navajo; Navaho	7886
Ndebele, North	7868
Ndebele, South	7882
Ndonga	7871
Nepali	7869
Northern Sami	8369
North Ndebele	7868
Norwegian	7879
Norwegian Bokmål; Bokmål,	7866
Norwegian Nynorsk;	7878
Nyanja; Chichewa; Chewa	7889
Nynorsk, Norwegian;	7878
Occitan (post 1500); Proven	7967
Old Bulgarian; Old Slavonic;	6785
Old Church Slavonic; Old	6785
Old Slavonic; Church	6785
Oriya	7982
Oromo	7977
Ossetian; Ossetic	7983
Ossetic; Ossetian	7983
Pali	8073
Panjabi	8065
Persian	7065
Polish	8076
Portuguese	8084
Provençal; Occitan (post	7967
Pushto	8083
Quechua	8185
Raeto-Romance	8277
Romanian	8279
Rundi	8278
Russian	8285
Samoan	8377
Sango	8371
Sanskrit	8365
Sardinian	8367
Scottish Gaelic; Gaelic	7168
Serbian	8382
Shona	8378
Sindhi	8368
Sinhalese	8373
Slovak	8375
Slovenian	8376
Somali	8379
Sotho, Southern	8384
South Ndebele	7882
Spanish; Castilian	6983
Sundanese	8385
Swahili	8387
Swati	8383
Swedish	8386
Tagalog	8476
Tahitian	8489
Tajik	8471
Tamil	8465
Tatar	8484
Telugu	8469
Thai	8472
Tibetan	6679
Tigrinya	8473
Tonga (Tonga Islands)	8479
Tsonga	8483
Tswana	8478
Turkish	8482
Turkmen	8475
Twi	8487
Uighur	8571
Ukrainian	8575
Urdu	8582
Uzbek	8590
Vietnamese	8673
Volapük	8679
Walloon	8765
Welsh	6789
Wolof	8779
Xhosa	8872
Yiddish	8973
Yoruba	8979
Zhuang; Chuang	9065
Zulu	9085

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WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.
If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service center.

Problem	Solution
No power	– Check if the AC power cord is properly connected.
No picture	– Check if the TV is switched on. – Check the video connection. – Set your TV to the correct Video In channel.
Distorted picture	– The disc is badly scratched or dirty. – Sometimes a small amount of picture distortion may appear .This is normal.
Completely distorted picture or black/white picture with DVD or Video CD	– Make sure the NTSC/PAL setting at the DVD player matches the video signal of your television. (See NTSC/PAL CONVERSION) – If the picture becomes distorted after switching among PAL and NTSC, please set the SMART PICTURE to STANDARD.
No sound or distorted sound	– Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	– Check the digital connections. – Check if your receiver can decode MPEG-2 or DTS and if not, please make sure the digital output is set to PCM. – Check if the audio format of the selected audio language matches your receiver capabilities. – Do not connect any cables from the Player to a Stereo's "PHONO IN" jack. – Deactivate mute at the DVD Player by pressing MUTE on the Player's remote.
Disc can't be played	– The DVD+R/DVD+RW/CD-R must be finalized. – Ensure the disc label is facing up. – Check the Parental controls. – Check the Region Code of the DVD. The DVD must be coded for All regions or Region 3 in order to play on this DVD Player. – Check if the disc is defective by trying another disc. – If you record a Picture CD or MP3 CD yourself, ensure that your disc contains at least 10 pictures or 5 MP3 tracks.
No return to start-up screen after you remove a Disc.	– Reset the unit by switching the player off, then on again.
The player does not respond to the remote control	– Aim the remote control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the lithium batteries in the remote control.
The Player does not work	– disconnect the power cord from the power outlet for a few ninutes. Reconnect it and try to operate the Player again as usual.
Player does not respond to some operating commands during playback	– Operations may not be permitted by the disc. Refer to the instructions of the disc.
DVD Video player cannot read CDs/DVDs	– Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Video player for repair.
Any setup changes can't be stored.	– Remove the Setup Menu after make the setup, and then press POWER key to switch into the Standby mode.

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